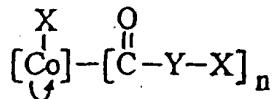


ABSTRACT OF THE INVENTION

A compound useful for *in vivo* imaging of organs and tumors is provided of formula:



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wherein [Co] is a cobalamin, C is derived from a corrin carboxylic acid group of said cobalamin, Y is a linking group and X is a chelating group, optionally comprising a detectable radionuclide or a paramagnetic metal ion, and n is 1-3.

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